

Date: Fri, 21 Jan 94 15:12:44 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #62  
To: Info-Hams

Info-Hams Digest                      Fri, 21 Jan 94                      Volume 94 : Issue    62

Today's Topics:

Best logging program?  
CT (was: Contest Logger)  
DSP Audio Filters  
Fs in callbook  
Gin Pole Dealers???  
Help wanted: Assembler TSR  
ORBS\$021.MICRO.AMSAT  
ORBS\$021.MISC.AMSAT  
ORBS\$021.OSCAR.AMSAT  
ORBS\$021.WEATH.AMSAT  
Ramsey FX Transceivers

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: 20 Jan 1994 20:49:34 GMT  
From: library.ucla.edu!csulb.edu!paris.ics.uci.edu!news.claremont.edu!  
elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!howland.reston.ans.net!noc.near.net!  
jericho.mc.com!fugu!levine@network.ucsd.edu  
Subject: Best logging program?  
To: info-hams@ucsd.edu

Check out the new Log Windows in the new AEA catalog that  
came out this week.

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  ||\  ||  ||  ||  \  ==  \  ==
  ||  \  ||  //  ||  \  //  \  //
  ||  \  ||  //  ||  \  //  \  //

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-----FTAC
Bob Levine  KD1GG 7J1AIS VK2GYN          formerly KA1JFP
levine@mc.com  <--Internet email    Phone(508) 256-1300 x247
kd1gg@wa1phy.ma <--Packet Mail      FAX(508) 256-3599
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Date: 21 Jan 94 22:24:47 GMT
From: news-mail-gateway@ucsd.edu
Subject: CT (was: Contest Logger)
To: info-hams@ucsd.edu

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Angelo\_Glorioso\_Iii@agwbbs.new-orleans.LA.US (Angelo Glorioso Iii) recently asked:

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> I am looking for a Contest logger that will support ARRL format for
>electronic filing for ARRL RTTY ROUND-UP contest. If you know of one,
>please let me know where I can ftp it??

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To which someone (unsigned posting) replied:

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>I'm told the standard by which all others are judged is CT by Ken
>Wolff, K1EA, at 221 Old Littleton Road, Harvard, MA 01451. I don't
>know if it's available for download anywhere, but I'm sure you could
>contact Mr. Wolff directly.

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There is an ancient version of CT out there for free, but CT is now a commercial product. You've got the author correct, but the latest information for ordering or inquiries is

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K1EA Software
5 Mt. Royal Ave
Marlborough, MA 01752
508 779-5054

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There is also a CT bbs which will give you the latest updates, ordering information, etc. The bbs number is 508 460-8877. The bbs won't do you much good other than finding out how to order, price, etc. unless you are a registered user of CT.

Of course, I have no affiliation with K1EA Software, Harvard Radio, Inc., K1EA, etc. I just thought that people would like to know where to find out

more about CT...

73,

Scott W01G

=====

Scott Sminkey email: sasminkey@eng.xyplex.com  
Software Sustaining Engineering voice: 508 952-4792  
Xyplex, Inc. fax: 508 952-4887  
295 Foster St. (Opinions, comments, etc. are mine,  
Littleton, MA 01460 not Xyplex's...)

-----  
Date: 21 Jan 94 21:38:09 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: DSP Audio Filters  
To: info-hams@ucsd.edu

I have an IC-765 with the 250Hz optional CW filters. I use a Timewave DSP-59 with it, although I modified the radio so that the DSP is ONLY in the detector audio branch (not in the monitor audio---I didn't like what it did to my sidetone!).

I find that it's extremely effective filtering the background noise on the higher bands, less so on 160/80/40 (the noise characteristics are very different on the low bands). I find that 99.9% of the time I just keep the DSP in line, in the noise reduction position (I'm 99.9% CW). It's really nice to use it on SSB to eliminate carriers, assuming the carrier isn't louder than the DX I'm trying to hear. The white noise reduction mode works very well, reduces fatigue, and actually helps pull some weak signals through the background noise.

I don't use the super-narrowband CW filters very often. They don't give any significant improvement over the 250Hz crystal filters in the rig's IF (and the IF filters ring less). The notch filter in the rig is also preferable for heterodynes because the IF won't pump as it does with the DSP.

All in all, I think the DSP-59 is worth the investment, especially if you modify your radio so that it only DSPs the detected audio.

73 Mike N6MZ mikemr@microsoft.com

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Date: Wed, 19 Jan 1994 14:38:08 GMT  
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!vixen.cso.uiuc.edu!  
sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcso!hplvec!bagdy@network.ucsd.edu  
Subject: Fs in callbook  
To: info-hams@ucsd.edu

According to "10-10 International News", January 1994, pg. 24:

FD1xxx and FE1xxx

have CHANGED TO: F5xxx

Regards,  
Mark Bagdy  
bagdy@hpmtaa.lvld.hp.com

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Date: Wed, 19 Jan 1994 03:31:01 GMT  
From: swrinde!gatech!wa4mei.ping.com!ke4zv!gary@network.ucsd.edu  
Subject: Gin Pole Dealers???  
To: info-hams@ucsd.edu

In article <CJuFuq.14wz@yuma.ACNS.ColoState.EDU> galen@picea.CFNR.ColoState.EDU  
(Galen Watts) writes:

>Anybody know who sells gin poles and related hardware? I'm looking for  
>all the parts except the pipe, since I have some aluminum pipe and don't  
>want to pay trucking for something so light.  
>Antenna season approaches....

Well of course Rohn sells gin poles and hardware. They're rather proud  
of them, however, got to pay that liability insurance. I bought a kit  
from a fellow in the flea market at Dayton last year. Good sturdy  
construction, but not quite as slickly engineered as Rohn's product.  
Only cost \$49 though, I couldn't build one myself that I'd trust for  
less. It's your life of course, but Rohn makes the best. Unless you  
have access to magnaflux equipment, which I do, I'd be somewhat leery  
of using the product of some garage shop. Fall on your head it might.

Gary

--  
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary  
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary  
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary  
Lawrenceville, GA 30244 | |

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Date: 21 Jan 94 21:13:01 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Help wanted: Assembler TSR  
To: info-hams@ucsd.edu

I would like to hire someone to write a very small TSR in Assembler. If you have experience with these and would like to earn \$100 for a couple of hour's work, please contact me.

MRO

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*****
Michael R. Owen, Ph.D.                a.k.a.: W9IP
Department of Geology                Northern Lights Software
St. Lawrence University              Star Route, Box 60
Canton, NY 13617                    Canton, NY 13617
(315) 379-5975                      - voice - (315) 379-0161 (6-9pm)
e-mail: MOWE@SLUMUS                  FAX - (315) 379-5804
*****
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Date: 21 Jan 94 13:59:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ORBS\$021.MICRO.AMSAT  
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-021.D  
Orbital Elements 021.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS  
FROM WA5QGD FORT WORTH, TX January 21, 1994  
BID: \$ORBS-021.D  
TO ALL RADIO AMATEURS BT

Satellite: UO-14  
Catalog number: 20437  
Epoch time: 94019.24162783  
Element set: 957  
Inclination: 98.6014 deg  
RA of node: 105.9995 deg  
Eccentricity: 0.0010476  
Arg of perigee: 271.0915 deg  
Mean anomaly: 88.9061 deg  
Mean motion: 14.29817627 rev/day  
Decay rate: 4.8e-07 rev/day^2  
Epoch rev: 20830  
Checksum: 322

Satellite: A0-16  
Catalog number: 20439  
Epoch time: 94019.23294962  
Element set: 758  
Inclination: 98.6092 deg  
RA of node: 107.0729 deg  
Eccentricity: 0.0010727  
Arg of perigee: 271.4260 deg  
Mean anomaly: 88.5694 deg  
Mean motion: 14.29873575 rev/day  
Decay rate: 4.3e-07 rev/day^2  
Epoch rev: 20831  
Checksum: 327

Satellite: D0-17  
Catalog number: 20440  
Epoch time: 94018.78193383  
Element set: 757  
Inclination: 98.6093 deg  
RA of node: 106.8996 deg  
Eccentricity: 0.0010796  
Arg of perigee: 272.2002 deg  
Mean anomaly: 87.7944 deg  
Mean motion: 14.30011640 rev/day  
Decay rate: 5.5e-07 rev/day^2  
Epoch rev: 20826  
Checksum: 311

Satellite: W0-18  
Catalog number: 20441  
Epoch time: 94019.24446275  
Element set: 758  
Inclination: 98.6091 deg  
RA of node: 107.3686 deg  
Eccentricity: 0.0011348  
Arg of perigee: 270.7621 deg  
Mean anomaly: 89.2257 deg  
Mean motion: 14.29988067 rev/day  
Decay rate: 3.2e-07 rev/day^2  
Epoch rev: 20833  
Checksum: 322

Satellite: L0-19  
Catalog number: 20442  
Epoch time: 94019.23252273  
Element set: 757  
Inclination: 98.6097 deg  
RA of node: 107.5781 deg

Eccentricity: 0.0011714  
Arg of perigee: 270.9464 deg  
Mean anomaly: 89.0376 deg  
Mean motion: 14.30081798 rev/day  
Decay rate: 4.8e-07 rev/day^2  
Epoch rev: 20834  
Checksum: 318

Satellite: UO-22  
Catalog number: 21575  
Epoch time: 94018.70071175  
Element set: 458  
Inclination: 98.4490 deg  
RA of node: 96.1200 deg  
Eccentricity: 0.0008373  
Arg of perigee: 21.0530 deg  
Mean anomaly: 339.1000 deg  
Mean motion: 14.36883323 rev/day  
Decay rate: 1.04e-06 rev/day^2  
Epoch rev: 13161  
Checksum: 259

Satellite: K0-23  
Catalog number: 22077  
Epoch time: 94015.07021241  
Element set: 352  
Inclination: 66.0872 deg  
RA of node: 240.5682 deg  
Eccentricity: 0.0008534  
Arg of perigee: 325.9559 deg  
Mean anomaly: 34.0911 deg  
Mean motion: 12.86283203 rev/day  
Decay rate: -3.7e-07 rev/day^2  
Epoch rev: 6709  
Checksum: 280

Satellite: A0-27  
Catalog number: 22825  
Epoch time: 94015.23688085  
Element set: 254  
Inclination: 98.6695 deg  
RA of node: 92.4839 deg  
Eccentricity: 0.0008356  
Arg of perigee: 301.9653 deg  
Mean anomaly: 58.0715 deg  
Mean motion: 14.27601623 rev/day  
Decay rate: 3.6e-07 rev/day^2  
Epoch rev: 1586

Checksum: 323

Satellite: IO-26  
Catalog number: 22826  
Epoch time: 94015.22892069  
Element set: 255  
Inclination: 98.6706 deg  
RA of node: 92.4916 deg  
Eccentricity: 0.0008734  
Arg of perigee: 301.5136 deg  
Mean anomaly: 58.5191 deg  
Mean motion: 14.27703814 rev/day  
Decay rate: 3.8e-07 rev/day^2  
Epoch rev: 1586  
Checksum: 313

Satellite: KO-25  
Catalog number: 22830  
Epoch time: 94014.64339549  
Element set: 256  
Inclination: 98.5722 deg  
RA of node: 90.7900 deg  
Eccentricity: 0.0010843  
Arg of perigee: 268.6528 deg  
Mean anomaly: 91.3411 deg  
Mean motion: 14.28027124 rev/day  
Decay rate: 1.0e-08 rev/day^2  
Epoch rev: 1578  
Checksum: 291

/EX

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Date: 21 Jan 94 14:04:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ORBS\$021.MISC.AMSAT  
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-021.M  
Orbital Elements 021.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES  
FROM WA5QGD FORT WORTH, TX January 21, 1994  
BID: \$ORBS-021.M  
TO ALL RADIO AMATEURS BT

Satellite: MIR



Catalog number: 16609  
Epoch time: 94017.58944630  
Element set: 99  
Inclination: 51.6174 deg  
RA of node: 222.2409 deg  
Eccentricity: 0.0004684  
Arg of perigee: 210.2206 deg  
Mean anomaly: 149.8392 deg  
Mean motion: 15.59692386 rev/day  
Decay rate: 9.870e-05 rev/day^2  
Epoch rev: 45255  
Checksum: 323

Satellite: HUBBLE

Catalog number: 20580  
Epoch time: 94019.23512510  
Element set: 429  
Inclination: 28.4680 deg  
RA of node: 112.6612 deg  
Eccentricity: 0.0005975  
Arg of perigee: 331.6281 deg  
Mean anomaly: 28.3980 deg  
Mean motion: 14.90430063 rev/day  
Decay rate: 8.38e-06 rev/day^2  
Epoch rev: 714  
Checksum: 269

Satellite: GRO

Catalog number: 21225  
Epoch time: 94017.58973420  
Element set: 56  
Inclination: 28.4617 deg  
RA of node: 196.8700 deg  
Eccentricity: 0.0003735  
Arg of perigee: 311.7439 deg  
Mean anomaly: 48.2817 deg  
Mean motion: 15.39842307 rev/day  
Decay rate: 3.648e-05 rev/day^2  
Epoch rev: 3369  
Checksum: 309

Satellite: UARS

Catalog number: 21701  
Epoch time: 94018.13837617  
Element set: 464  
Inclination: 56.9833 deg  
RA of node: 40.3077 deg  
Eccentricity: 0.0005136

Arg of perigee: 99.2913 deg  
Mean anomaly: 260.8424 deg  
Mean motion: 14.96334028 rev/day  
Decay rate: -1.27e-06 rev/day^2  
Epoch rev: 12847  
Checksum: 294

Satellite: POSAT  
Catalog number: 22829  
Epoch time: 94015.20627603  
Element set: 247  
Inclination: 98.6671 deg  
RA of node: 92.4771 deg  
Eccentricity: 0.0009664  
Arg of perigee: 287.5870 deg  
Mean anomaly: 72.4206 deg  
Mean motion: 14.27996968 rev/day  
Decay rate: 4.5e-07 rev/day^2  
Epoch rev: 1586  
Checksum: 331

/EX

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Date: 21 Jan 94 13:56:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ORBS\$021.OSCAR.AMSAT  
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-021.0  
Orbital Elements 021.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES  
FROM WA5QGD FORT WORTH,TX January 21, 1994  
BID: \$ORBS-021.0  
TO ALL RADIO AMATEURS BT

Satellite: A0-10  
Catalog number: 14129  
Epoch time: 94012.88782746  
Element set: 252  
Inclination: 27.1999 deg  
RA of node: 346.8463 deg  
Eccentricity: 0.6020165  
Arg of perigee: 145.8302 deg  
Mean anomaly: 274.3239 deg  
Mean motion: 2.05879874 rev/day

Decay rate: -3.37e-06 rev/day<sup>2</sup>  
Epoch rev: 7958  
Checksum: 340

Satellite: UO-11

Catalog number: 14781  
Epoch time: 94018.53148342  
Element set: 658  
Inclination: 97.7944 deg  
RA of node: 40.2143 deg  
Eccentricity: 0.0012903  
Arg of perigee: 32.0480 deg  
Mean anomaly: 328.1509 deg  
Mean motion: 14.69124335 rev/day  
Decay rate: 2.35e-06 rev/day<sup>2</sup>  
Epoch rev: 52833  
Checksum: 287

Satellite: RS-10/11

Catalog number: 18129  
Epoch time: 94016.19941791  
Element set: 854  
Inclination: 82.9244 deg  
RA of node: 81.1944 deg  
Eccentricity: 0.0013211  
Arg of perigee: 85.2443 deg  
Mean anomaly: 275.0217 deg  
Mean motion: 13.72329684 rev/day  
Decay rate: 4.6e-07 rev/day<sup>2</sup>  
Epoch rev: 32906  
Checksum: 302

Satellite: A0-13

Catalog number: 19216  
Epoch time: 94013.76090682  
Element set: 865  
Inclination: 57.8727 deg  
RA of node: 273.6690 deg  
Eccentricity: 0.7205576  
Arg of perigee: 332.7751 deg  
Mean anomaly: 3.3757 deg  
Mean motion: 2.09726934 rev/day  
Decay rate: -5.86e-06 rev/day<sup>2</sup>  
Epoch rev: 4277  
Checksum: 343

Satellite: F0-20

Catalog number: 20480

Epoch time: 94018.51659842  
Element set: 652  
Inclination: 99.0147 deg  
RA of node: 198.7340 deg  
Eccentricity: 0.0540754  
Arg of perigee: 318.6667 deg  
Mean anomaly: 37.4685 deg  
Mean motion: 12.83223815 rev/day  
Decay rate: 1.00e-06 rev/day^2  
Epoch rev: 18493  
Checksum: 319

Satellite: A0-21

Catalog number: 21087  
Epoch time: 94019.17209926  
Element set: 417  
Inclination: 82.9424 deg  
RA of node: 252.9794 deg  
Eccentricity: 0.0035743  
Arg of perigee: 137.1749 deg  
Mean anomaly: 223.2201 deg  
Mean motion: 13.74532086 rev/day  
Decay rate: 9.4e-07 rev/day^2  
Epoch rev: 14911  
Checksum: 304

Satellite: RS-12/13

Catalog number: 21089  
Epoch time: 94018.81286753  
Element set: 656  
Inclination: 82.9239 deg  
RA of node: 122.2331 deg  
Eccentricity: 0.0029532  
Arg of perigee: 161.6651 deg  
Mean anomaly: 198.5573 deg  
Mean motion: 13.74033348 rev/day  
Decay rate: 3.7e-07 rev/day^2  
Epoch rev: 14813  
Checksum: 312

/EX

-----  
Date: 21 Jan 94 14:02:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ORBS\$021.WEATH.AMSAT  
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-021.W  
Orbital Elements 021.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES  
FROM WA5QGD FORT WORTH, TX January 21, 1994  
BID: \$ORBS-021.W  
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9  
Catalog number: 15427  
Epoch time: 94014.01154683  
Element set: 677  
Inclination: 99.0744 deg  
RA of node: 62.5335 deg  
Eccentricity: 0.0014570  
Arg of perigee: 297.2963 deg  
Mean anomaly: 62.6724 deg  
Mean motion: 14.13579715 rev/day  
Decay rate: 1.35e-06 rev/day<sup>2</sup>  
Epoch rev: 46856  
Checksum: 324

Satellite: NOAA-10  
Catalog number: 16969  
Epoch time: 94013.95089539  
Element set: 576  
Inclination: 98.5115 deg  
RA of node: 27.6470 deg  
Eccentricity: 0.0014289  
Arg of perigee: 60.6937 deg  
Mean anomaly: 299.5669 deg  
Mean motion: 14.24857313 rev/day  
Decay rate: 8.5e-07 rev/day<sup>2</sup>  
Epoch rev: 38064  
Checksum: 354

Satellite: MET-2/17  
Catalog number: 18820  
Epoch time: 94019.09840418  
Element set: 255  
Inclination: 82.5397 deg  
RA of node: 27.1822 deg  
Eccentricity: 0.0015166  
Arg of perigee: 239.2617 deg  
Mean anomaly: 120.7049 deg  
Mean motion: 13.84704972 rev/day  
Decay rate: 4.1e-07 rev/day<sup>2</sup>

Epoch rev: 30172  
Checksum: 300

Satellite: MET-3/2  
Catalog number: 19336  
Epoch time: 94018.57372231  
Element set: 257  
Inclination: 82.5389 deg  
RA of node: 69.5600 deg  
Eccentricity: 0.0015877  
Arg of perigee: 278.6887 deg  
Mean anomaly: 81.2437 deg  
Mean motion: 13.16963263 rev/day  
Decay rate:  $5.1e-07$  rev/day<sup>2</sup>  
Epoch rev: 26356  
Checksum: 332

Satellite: NOAA-11  
Catalog number: 19531  
Epoch time: 94013.91338651  
Element set: 478  
Inclination: 99.1575 deg  
RA of node: 359.1629 deg  
Eccentricity: 0.0011211  
Arg of perigee: 204.5750 deg  
Mean anomaly: 155.4889 deg  
Mean motion: 14.12949930 rev/day  
Decay rate:  $1.26e-06$  rev/day<sup>2</sup>  
Epoch rev: 27343  
Checksum: 313

Satellite: MET-2/18  
Catalog number: 19851  
Epoch time: 94019.18866258  
Element set: 256  
Inclination: 82.5226 deg  
RA of node: 262.7081 deg  
Eccentricity: 0.0013229  
Arg of perigee: 289.3306 deg  
Mean anomaly: 70.6423 deg  
Mean motion: 13.84355686 rev/day  
Decay rate:  $6.9e-07$  rev/day<sup>2</sup>  
Epoch rev: 24707  
Checksum: 331

Satellite: MET-3/3  
Catalog number: 20305  
Epoch time: 94017.89422067

Element set: 971  
Inclination: 82.5495 deg  
RA of node: 13.8911 deg  
Eccentricity: 0.0005906  
Arg of perigee: 311.7262 deg  
Mean anomaly: 48.3353 deg  
Mean motion: 13.04401542 rev/day  
Decay rate: 4.4e-07 rev/day^2  
Epoch rev: 20330  
Checksum: 267

Satellite: MET-2/19  
Catalog number: 20670  
Epoch time: 94019.25203231  
Element set: 757  
Inclination: 82.5477 deg  
RA of node: 326.7663 deg  
Eccentricity: 0.0014849  
Arg of perigee: 201.4548 deg  
Mean anomaly: 158.5995 deg  
Mean motion: 13.84186662 rev/day  
Decay rate: 2.4e-07 rev/day^2  
Epoch rev: 18001  
Checksum: 317

Satellite: FY-1/2  
Catalog number: 20788  
Epoch time: 94016.17645587  
Element set: 873  
Inclination: 98.8459 deg  
RA of node: 41.1276 deg  
Eccentricity: 0.0015374  
Arg of perigee: 75.7420 deg  
Mean anomaly: 284.3802 deg  
Mean motion: 14.01335636 rev/day  
Decay rate: -2.7e-07 rev/day^2  
Epoch rev: 17241  
Checksum: 313

Satellite: MET-2/20  
Catalog number: 20826  
Epoch time: 94019.19169044  
Element set: 756  
Inclination: 82.5267 deg  
RA of node: 264.5225 deg  
Eccentricity: 0.0014575  
Arg of perigee: 102.3761 deg  
Mean anomaly: 257.9031 deg

Mean motion: 13.83571054 rev/day  
Decay rate: 9.4e-07 rev/day<sup>2</sup>  
Epoch rev: 16715  
Checksum: 303

Satellite: MET-3/4  
Catalog number: 21232  
Epoch time: 94016.77549633  
Element set: 664  
Inclination: 82.5405 deg  
RA of node: 276.6395 deg  
Eccentricity: 0.0012441  
Arg of perigee: 202.6707 deg  
Mean anomaly: 157.3867 deg  
Mean motion: 13.16458614 rev/day  
Decay rate: 5.0e-07 rev/day<sup>2</sup>  
Epoch rev: 13143  
Checksum: 299

Satellite: NOAA-12  
Catalog number: 21263  
Epoch time: 94015.96922581  
Element set: 886  
Inclination: 98.6363 deg  
RA of node: 46.9897 deg  
Eccentricity: 0.0012686  
Arg of perigee: 321.9099 deg  
Mean anomaly: 38.1181 deg  
Mean motion: 14.22357548 rev/day  
Decay rate: 1.57e-06 rev/day<sup>2</sup>  
Epoch rev: 13889  
Checksum: 349

Satellite: MET-3/5  
Catalog number: 21655  
Epoch time: 94018.52836753  
Element set: 660  
Inclination: 82.5520 deg  
RA of node: 222.4234 deg  
Eccentricity: 0.0012361  
Arg of perigee: 209.0115 deg  
Mean anomaly: 151.0325 deg  
Mean motion: 13.16826870 rev/day  
Decay rate: 5.1e-07 rev/day<sup>2</sup>  
Epoch rev: 11676  
Checksum: 269

Satellite: MET-2/21



Catalog number: 22782  
Epoch time: 94018.89845223  
Element set: 256  
Inclination: 82.5520 deg  
RA of node: 324.7383 deg  
Eccentricity: 0.0021299  
Arg of perigee: 286.9901 deg  
Mean anomaly: 72.8924 deg  
Mean motion: 13.82996980 rev/day  
Decay rate: 3.9e-07 rev/day^2  
Epoch rev: 1945  
Checksum: 341

/EX

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Date: Wed, 19 Jan 1994 03:03:36 GMT  
From: swrinde!gatech!wa4mei.ping.com!ke4zv!gary@network.ucsd.edu  
Subject: Ramsey FX Transceivers  
To: info-hams@ucsd.edu

In article <CJu4CH.yuI@yuma.ACNS.ColoState.EDU> galen@picea.CFNR.ColoState.EDU  
(Galen Watts) writes:

>In article <940118080104\_2@ccm.hf.intel.com> Cecil\_A\_Moore@ccm.hf.INTel.COM  
(Cecil A Moore) writes:

>>> That's all well and fine, but do you honestly believe that consumers  
>>>have an obligation to do the product engineering that the manufacturer  
>>>should have done in the first place?

>>>Rich Mulvey Amateur Radio: N2VDS Rochester, NY

>>

>>As a matter of fact, I do. I went through the exact same thing with  
>>Harley Davidson during the '70s. Harley's were lousey then and now  
>>they are the most successful motorcycle company in the world. If  
>>everyone had your attitude, Harley would no longer exist.

>>73, Cecil, kg7bk@indirect.com

>

>Didn't H-D change ownership around this time? I seem to remeber Hogs were'nt  
>a good buy in the 70's and early 80's but after Americans bought it back from  
>the Japanese parent company, quality shot thru the roof.

Not Japanese, it was AMF. What a bowling pin setting machine company  
thought they knew about motorcycles I don't know, and apparently neither  
did they.

>I believe kits should be engineered better than assembled gear, since there  
>are more variables and less quality control with kit assembling as opposed  
>to factory assembling and testing.

>

>Many people buy kits because they can't afford assembled. If they can't afford  
>assembled, how can they afford the test gear to get a poorly designed kit to  
>work?

Heath idiot proofed their kits. They weren't better designed than their competition, and they certainly weren't cheaper, but they were designed to be easily built without tricky alignment or the need for special test equipment. If you want cheaper than assembled equipment, you are going to get kits that aren't perfect. Today's assembled gear costs less than a quality kit, as Heath discovered to their bankruptcy. The original Heathkits were paper bags of parts and a mimeographed sheet of instructions. In the days of simple hand wired tube factory gear, that was cheaper than assembled. But today with complex machine assembled products, a kit that's going to work as well, and is fool proof to assemble, is going to cost \*more\* to produce and market.

People who buy kits thinking they'll save money are fooling themselves. With a quality kit you're going to pay \*more\* for the privilege of doing the assembly, or you're going to get a kit that requires you to be your own test engineer, and sometimes redesign engineer. That's not bad. It forces you to learn a lot more than the "insert leads A and B in terminal 3, solder two" of Heathkit days where all you learned was how to follow directions. Think of a kit as a more convenient way to do homebrew construction.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

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Date: Wed, 19 Jan 1994 03:16:57 GMT

From: swrinde!gatech!wa4mei.ping.com!ke4zv!gary@network.ucsd.edu

To: info-hams@ucsd.edu

References <CJFF8p.56v@spk.hp.com>, <1994Jan11.150658.25191@ke4zv.atl.ga.us>, <940118.46856.LEEVANKOTEN@delphi.com>

Reply-To : gary@ke4zv.atl.ga.us (Gary Coffman)

Subject : Re: BRAIN CANCER, LEUKEMIA FROM HAM RADIO

In article <940118.46856.LEEVANKOTEN@delphi.com> Leland Van Koten  
<LEEVANKOTEN@delphi.com> writes:

>

>Thanks for the very informative post. Although it is impossible to say with  
>certainty that there is NO risk, from EMR, it is clear that if there IS a risk,

>it is a very low one. When one compares the possible risk from EMR to very  
>clear and significant risks that we all take every day, any risk is obviously  
>insignificant.

That's absolutely true. People need to get a grasp of proportion when  
it comes to evaluating risks. There's no such thing as a risk free activity  
or product, but ham radio is safer than skydiving, or driving a car. It's  
probably safer than drinking milk, certainly safer than taking aspirin.  
This is a case similar to nuclear power. The risks of nuclear power are  
tiny compared to the known risks of coal fired generation, yet the latter  
is accepted while the former is feared. The \*possibility\* of an invisible  
threat frightens the ignorant more than the visible threat of the known.

>Interestingly, a clearly documented producer of cancer in both animals and  
>humans is excess caloric intake, and when I look around a lot of hamfests, if  
>there is excess cancer in hams, that may be the reason rather than exposure to  
>EMR.

Actually, it's dietary fat intake that's the supposed risk factor, not  
the calories themselves. On the other hand, Eskimos have the lowest  
incidence of heart disease and colon cancer of any studied group, and  
their diet is extremely high in fat. Go figure.

>None of the power line studies of which I am aware have been  
>adequately controlled for such things as socio-economic status, etc., but  
>places such as New Jersey are apparently nevertheless rushing to impose taxes  
>on emitters of EMR on the theory that EMR is carcinogenic. I have even heard  
>predictions that EMR litigation will be the "new asbestos litigation."

>

>Let's hope that the news media don't feed the sense of hysteria that many  
>people feel when confronted by something they don't understand, and that we don't  
>end up spending billions of dollars dealing with a problem that may not even  
>exist.

This is one case where the media, at least the electronic media, is going  
to tread very lightly. Their own ox is being gored here.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

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Date: Wed, 19 Jan 1994 18:55:33 +0000

From: ucsnews!sol.ctr.columbia.edu!news.kei.com!eff!usenet.ins.cwru.edu!

howland.reston.ans.net!pipex!dis.demon.co.uk!llondel.demon.co.uk!  
dave@network.ucsd.edu  
To: info-hams@ucsd.edu

References <2hfek9\$a5@orion.cc.andrews.edu>,  
<WOSBORNE.94Jan18080511@gauss.nmsu.edu>,  
<1994Jan18.201820.13828@ringer.cs.utsa.edu>de  
Subject : Re: Global Alert For All: Jesus is Coming Soon

In article <1994Jan18.201820.13828@ringer.cs.utsa.edu> blake@lonestar.utsa.edu (M  
Blake Schreckenbach) writes:

>I remember reading somewhere that the Lost Ark of the Covenant was really an  
>extraterrestrial sub-space transceiver, left behind by the same beings that  
>gave some of their construction and architecture expertise to the Egyptians,  
>Mayans, etc.

>  
No... read the description more carefully. You will find that the Ark of  
the Covenant is basically a \*large\* capacitor (wooden box with metal inside  
and metal outside). Penalty for unauthorised contact was a lightning bolt,  
although presumably you got let off if it was raining :-)

Dave  
--

\*\*\*\*\*  
\* G4WRW @ GB7WRW.#41.GBR.EU AX25 \* Start at the beginning. Go on \*  
\* dave@llondel.demon.co.uk Internet \* until the end. Then stop. \*  
\* g4wrw@g4wrw.ampr.org Amprnet \* (the king to the white rabbit) \*  
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End of Info-Hams Digest V94 #62  
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